

Title (en)  
Irrigation control system

Title (de)  
Bewässerungssteuerungssystem

Title (fr)  
Système de commande d'irrigation

Publication  
**EP 2730159 B1 20190320 (EN)**

Application  
**EP 12306370 A 20121107**

Priority  
EP 12306370 A 20121107

Abstract (en)  
[origin: EP2730159A1] Some embodiments provide irrigation systems comprising: a central irrigation controller (110); a radio module (130); a control module (160); and a radio adapter (165) in communication with the control module; where the control module comprises: a processor, a first communication interface, and one or more valve drivers, where the control module is configured to implement irrigation commands in implementing at least a portion of irrigation programming such that the one or more valve drivers are each configured to control a different irrigation valve in accordance with the irrigation programming; and the radio adapter comprises: a second communication interface communicatively coupled with the first communication interface, and a wireless radio frequency transceiver configured to provide wireless communication with the radio module where the radio adapter is configured to relay information between the radio module and the control module.

IPC 8 full level  
**A01G 25/16** (2006.01)

CPC (source: EP US)  
**A01G 25/16** (2013.01 - EP US); **G05B 2219/2625** (2013.01 - EP US); **Y02A 40/22** (2018.01 - EP US)

Cited by  
CN104082098A; CN104335882A; US10609878B2; US11089746B2; US11313811B2; US10292343B2; US11109546B2; US11744195B2; US10327397B2; US11570956B2; US11937557B2

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AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**EP 2730159 A1 20140514; EP 2730159 B1 20190320**; ES 2734348 T3 20191205; US 10327397 B2 20190625; US 11570956 B2 20230207; US 11937557 B2 20240326; US 2014129039 A1 20140508; US 2019261584 A1 20190829; US 2023180684 A1 20230615; US 2024188517 A1 20240613

DOCDB simple family (application)  
**EP 12306370 A 20121107**; ES 12306370 T 20121107; US 201314073619 A 20131106; US 201916405762 A 20190507; US 202318105528 A 20230203; US 202418581732 A 20240220